What is claimed is:

1   1.   A computer system having a CPU, RAM and a hard disk drive further
2   comprising:
3   non-rotating temporary storage means for storing data; and
4   agent means for intercepting calls to said disk drive and directing them to
5   said non-rotating temporary storage when said disk drive is powered down,
6   in which said agent means stores the contents of said temporary storage in
7   said disk drive when said computer program is shut down.

1   2.   A computer system according to claim 1, in which said agent copies
2   temporary files generated by said program to said temporary storage.

1   3.   A computer system according to claim 1, in which said agent is
2   located in temporary non-rotating storage means other than RAM.

1   4.   A computer system according to claim 1, in which said agent copies
2   data to said temporary storage and thereafter directs commands to said hard
3   disk drive to start and stop rotating, so that said hard disk drive is powered
4   down and thereafter is rotated to store data under command of said agent
5   only after an attempt to locate data in said temporary storage has failed.

6   5.   A computer system according to claim 4, in which said agent copies
7   temporary files generated by said program to said temporary storage.

1　　6.　　A computer system according to claim 4, in which said agent is
2　　located in temporary non-rotating storage means other than RAM.

1　　7.　　A computer system according to claim 1, in which said agent is
2　　located outside an operating system.

1　　8.　　A method for operating a computer system having a CPU, RAM, non-
2　　rotating temporary storage means for storing data and a hard disk drive said
3　　method comprising the steps of:
4　　intercepting calls to said disk drive by an agent and directing them to said
5　　non-rotating temporary storage when said disk drive is powered down, in
6　　which said agent means stores the contents of said temporary storage in said
7　　disk drive when said computer program is shut down.

1　　9.　　A method according to claim 8, in which said agent copies temporary
2　　files generated by said program to said temporary storage.

1　　10.　　A method according to claim 8, in which said agent is located in
2　　temporary non-rotating storage means other than RAM.

1　　11.　　A method according to claim 8, in which said agent copies data to
2　　said temporary storage and thereafter directs commands to said hard disk
3　　drive to start and stop rotating, so that said hard disk drive is powered down
4　　and thereafter is rotated to store data under command of said agent only
5　　after an attempt to locate data in said temporary storage has failed.

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1　12.　A method according to claim 11, in which said agent copies
2　temporary files generated by said program to said temporary storage.

1　13.　A method according to claim 11, in which said agent is located in
2　temporary non-rotating storage means other than RAM.

1　14.　A method according to claim 8, in which said agent is located outside
2　an operating system.

1　15.　An article of manufacture in computer readable form comprising
2　means for performing a method for operating a computer system having a
3　CPU, RAM, non-rotating temporary storage means for storing data and a
4　hard disk drive said method comprising the steps of:
5　intercepting calls to said disk drive by an agent and directing them to said
6　non-rotating temporary storage when said disk drive is powered down, in
7　which said agent means stores the contents of said temporary storage in said
8　disk drive when said computer program is shut down.

1　16.　An article according to claim 15, in which said agent copies
2　temporary files generated by said program to said temporary storage.

1　17.　An article according to claim 15, in which said agent is located in
2　temporary non-rotating storage means other than RAM.

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1 18. A method according to claim 15, in which said agent copies data to
2 said temporary storage and thereafter directs commands to said hard disk
3 drive to start and stop rotating, so that said hard disk drive is powered down
4 and thereafter is rotated to store data under command of said agent only
5 after an attempt to locate data in said temporary storage has failed.

1 19. An article according to claim 18, in which said agent copies
2 temporary files generated by said program to said temporary storage.

1 20. An article according to claim 18, in which said agent is located in
2 temporary non-rotating storage means other than RAM.

1 21. An article according to claim 15, in which said agent is located
2 outside an operating system.